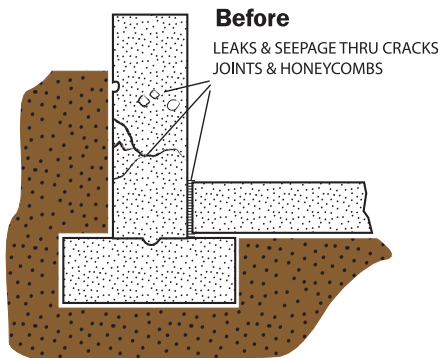




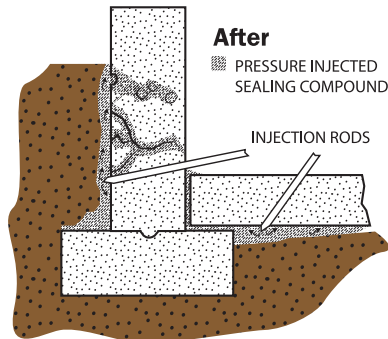
## PTS "Conseal" System for Sealing Leaks in Sub-Grade Structures



### Before

LEAKS & SEEPAGE THRU CRACKS JOINTS & HONEYCOMBS

DEFECTS IN FOUNDATION WALLS AND FLOORS PERMIT EASY ENTRY OF WATER FROM SATURATED FILL & GROUND WATER



### After

PRESSURE INJECTED SEALING COMPOUND

INJECTION RODS

"CONSEAL" SYSTEM PROVIDES AN IMPERMEABLE BARRIER BETWEEN CONSTRUCTION AND SOURCE OF WATER INFILTRATION.

DURING INJECTION PROCESS, BACK-PRESSURES FORCE SEALANT INTO CRACKS AND VOIDS IN THE MASONRY

**USE:** The PTS "Conseal" System is a proven, cost-effective method for stopping or controlling water intrusion in situations where leaking areas are otherwise accessible only through excavation. The system is applicable for use in manholes, foundation walls and floors, electrical vaults, buried pipe and conduit, tunnels and most other sub-grade structures. (For use in small diameter sewer and pipe lines see PTS "TELE-SEAL" Sheet #PTVS). Capable of stopping flowing water, the CONSEAL System is particularly effective in active leak conditions.

**DESCRIPTION:** The PTS "CONSEAL" System is an injection sealing process utilizing plastic sealing compounds which are injected in a liquid state through and outside the leaking masonry. Once injected, the compounds form a dense gel material that is water-impermeable and chemical resistant. The compound fills all cracks and openings in the treated masonry and blankets the exterior surface of the masonry, forming an impermeable barrier between the construction and the surrounding water-bearing soil.

**APPLICATION:** Masonry shall be treated by the PTS "CONSEAL" System. Injection ports shall be drilled through the defective masonry into surrounding fill. Placement and number of ports shall be dependent on existing masonry conditions. Sealing solution shall be pumped under pressure through ports. The solution shall be placed through the PTS Model JF-3 Pumping Unit, consisting of a single frame unit containing twin pumps and twin tanks activated by a single control. Chemical hoses shall come together at a valved "Y" manifold terminating at a single injection point. The Pumping Unit shall have a positive displacement type pump that will produce a minimum discharge of 2 gpm and pressures of 5 to 2,000 psi. The Pumping Unit shall be equipped with metering devices to monitor and control discharge pressure and flow. Solution set time shall be adjusted to form a quick-set solid in fill to provide back pressures to force additional solution into all voids, cracks and openings in the masonry. Injection shall continue until all visible water flow and seepage is topped or until test coring indicates desired coverage has been achieved.

### Engineered usages for PTS "Conseal" Systems correcting water intrusions

- Manholes
- Foundation walls and floors
- Electrical Vaults
- Buried pipes and conduit
- Tunnels and most other sub-grade structures.

Call or write for information on specification for individual job applications.

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